ATTACHMENT B
MONITORING AND REPORTING PROGRAM

RESOLUTION R5-20XX-XXXX
WAIVER OF WASTE DISCHARGE REQUIREMENTS FOR
SMALL FOOD PROCESSORS, WINERIES, AND RELATED AGRICULTURAL
PROCESSORS WITHIN THE CENTRAL VALLEY REGION

Table of Contents

MONITORING AND REPORTING PROGRAM R5-20XX-XXXX

FOR

WAIVER OF WASTE DISCHARGE REQUIREMENTS
FOR
SMALL FOOD PROCESSORS,
WINERIES, AND RELATED AGRICULTURAL PROCESSORS
WITHIN THE CENTRAL VALLEY REGION

This Monitoring and Reporting Program (MRP) describes requirements for monitoring discharges from small food processors and wineries that are regulated under Resolution R5-20XX-XXXX *Waiver of Waste Discharge Requirements for Small Food Processors and Small Wineries within the Central Valley Region* (the Waiver).

This MRP is issued pursuant to Section 13267 of the California Water Code. The Discharger shall not implement any changes to this MRP unless and until a revised MRP is issued by the Executive Officer.

Each Discharger granted coverage under the Waiver shall submit an annual monitoring report no later than **1 February** of each year. The report shall describe process waste management activities during the previous calendar year, and shall contain the following information. Dischargers are encouraged to use the attached *Annual Monitoring Report* form for this purpose, but are not required to do so.

TIER 1 – Annual Monitoring and Information Requirements

A. A statement verifying that no more than 10,000 gallons of wastewater and associated residual solids were applied to land.

B. A statement verifying compliance with the discharge conditions and specifications of the Waiver.

C. For any nut huller that used a wash water storage pond, a statement verifying compliance with Specific Conditions 5.a through 5.f.

D. A discussion of any violations of the Waiver conditions during the reporting period and actions taken or planned for correcting noted violations, such as operational or facility modifications. If the Discharger has previously submitted a report describing corrective actions and/or a time schedule for implementing the corrective actions, reference to the previous correspondence will be satisfactory.

E. The Statement of Certification in this document.

TIER 2 – Annual Monitoring Report Requirements

A. A statement verifying that no more than 100,000 gallons of wastewater and associated residual solids were applied to land.

B. A statement verifying compliance with the discharge conditions and specifications of the Waiver.

C. A discussion of any violations of the Waiver conditions during the reporting period and actions taken or planned for correcting noted violations, such as operational or facility modifications. If the Discharger has previously submitted a report describing corrective actions and/or a time schedule for implementing the corrective actions, reference to the previous correspondence will be satisfactory.

D. Commodity processing: Data table showing the monthly amount (weight or volume) of commodities processed during the calendar year (e.g., a winery would report tons of grapes crushed).

E. Wastewater management and land application:

1. A data table showing the total gallons of wastewater produced each month during the calendar year.
2. A statement specifying how flow measurements were made.
3. A description of how wastewater was fully contained such that waste did not contact the ground (except for nut huller wash water ponds) during periods of storage and so that application to land did not occur during periods of precipitation or when the ground was saturated.
4. An estimate of the total nitrogen loading to the land application area for the calendar year, with calculations showing the contribution from each nitrogen source in lb/ac/year.
5. A discussion of actions taken to reduce the salinity of the wastewater applied to land.

F. Residual solids management and land application:

1. An estimation of the amount of residual solids generated each month.
2. A description of how and where residual solids were stored.
3. The amount of residual solids disposed of on-site and the amount of residual solids removed for disposal off-site.
4. A description of how residual solids were fully contained such that waste did not contact the ground during periods of storage and so that application to land did not occur during periods of precipitation or when the ground was saturated.

G. Land application area:

1. The total acreage that wastewater and/or residual solids were applied and whether they were applied to the same area.
2. A data table showing the volume of wastewater and amount of residual solids land applied each month during the calendar year.
3. The crop(s) or vegetation grown.
4. A description of how wastewater and residual solids were applied evenly over the entire acreage and how runoff was kept out of surface waters.

H. Wastewater ponds (nut hullers only):

1. Approximate maximum pond water depth that occurred during the monitoring year.
2. Date that ponds were either backfilled or controls were installed to prevent storm water runoff into the ponds.
3. Description of controls installed to prevent storm water runoff into the ponds.

I. The Statement of Certification in this document.

TIER 3 – Annual Monitoring Report Requirements

A. A statement verifying that no more than 1,000,000 gallons of wastewater and associated residual solids were applied to land.

B. A statement verifying that all waste applied to land was applied evenly to at least one acre of land per 100,000 gallons of wastewater.

C. A statement verifying compliance with the discharge conditions and specifications of the Waiver.

D. A discussion of any violations of the Waiver conditions during the reporting period and actions taken or planned for correcting noted violations, such as operational or facility modifications. If the Discharger has previously submitted a report describing corrective actions and/or a time schedule for implementing the corrective actions, reference to the previous correspondence will be satisfactory.

E. Commodity processing: Data table showing the monthly amount (weight or volume) of commodities processed during the calendar year (e.g., wineries would report tons of grapes crushed)

F. Wastewater management and land application:

1. A data table showing the total gallons of wastewater produced each month during the calendar year.
2. A statement specifying how flow measurements were made.
3. A description of how wastewater was fully contained such that waste did not contact the ground (except for nut huller wash water ponds) during periods of storage and so that application to land did not occur during periods of precipitation or when the ground was saturated.
4. An estimate of the total nitrogen loading to the land application area for the calendar year, with calculations showing the contribution from each nitrogen source in lb/ac/year.
5. A discussion of all actions taken to reduce the salinity of the wastewater applied to land.

G. Residual solids management and land application:

1. An estimation of the amount of residual solids generated.

2. A description of how and where residual solids were stored prior to land application or off-site disposal.
3. The amount of residual solids applied on-site and the amount of residual solids removed for disposal off-site.
4. A description of how residual solids were fully contained such that waste did not contact the ground during periods of storage and so that application to land did not occur during periods of precipitation or when the ground was saturated.

H. Land application area

1. A satellite aerial photo or scaled map marked to show the boundaries of wastewater and residual solids application.
2. A data table showing the monthly volume of wastewater and amount of residual solids applied per one acre. Describe how the volume of wastewater flow and amount of residual solids were measured or estimated.
3. The total acreage that wastewater and/or residual solids were applied and whether they were applied to the same area.
4. The crop(s) or vegetation grown in the land application area, dates of planting and dates of harvest (as applicable).
5. A description of how wastewater and residual solids were applied to ensure even application over the entire acreage and how tailwater runoff was kept out of surface waters.

I. Wastewater ponds (nut hullers only)

1. Approximate maximum pond water depth that occurred during the monitoring year.
2. Date that ponds were either backfilled or controls were installed to prevent storm water runoff into the ponds
3. Description of controls installed to prevent storm water runoff into the ponds.

J. The Statement of Certification in this document.

For all Tiers:

If the Discharger elects not to use the attached monitoring report form, a transmittal letter shall accompany each Annual Monitoring Report. The letter shall clearly identify the Discharger name, facility name, mailing address, and county. The transmittal letter shall contain the following certification statement and the signature of the Discharger or the Discharger's authorized representative.

Statement of Certification:

> *I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

The Discharger shall implement the above monitoring program as of the date of the Notice of Applicability granting coverage under the Waiver.

Annual Monitoring Reports shall be converted to searchable Portable Document Format (pdf) and submitted electronically in accordance with the document submittal procedures as provided in the Notice of Applicability.

I, PATRICKK PULUPA, Executive Officer, do hereby certify that the foregoing is a full and correct copy of a Monitoring and Reporting Program issued by the California Regional Water Quality Control Board, Central Valley Region on XX Month 20XX.

_____

PATRICK PALUPA, Executive Officer

MONITORING AND REPORTING PROGRAM R5-20XX-XXXX

ANNUAL MONITORING REPORT FORM

Note: The following is an Annual Monitoring Report form that complies with the reporting requirements set forth in the Waiver and the MRP. Dischargers are not required to use this form, but are encouraged to do so. Any monitoring report forms developed by a discharger must contain the same information and comply with the Waiver and the MRP. The Annual Monitoring Report is due no later than **1 February** of the following year.

Annual Monitoring Reports shall be converted to searchable Portable Document Format (pdf) and submitted electronically in accordance with the document submittal procedures as provided in the Notice of Applicability.

RESOLUTION R5-20XX-XXXX
CONDITIONAL WAIVER OF WASTE DISCHARGE REQUIREMENTS FOR SMALL FOOD PROCESSORS, WINERIES AND RELATED AGRICULTURAL PROCESSORS WITHIN THE CENTRAL VALLEY REGION

ANNUAL MONITORING REPORT FOR _____
year

Facility Owner: _____

Facility Name: _____

Facility Address: _____

County: _____

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine.

_____ _____
signature date

_____ _____
printed name phone

INSTRUCTIONS
TIER 1 facilities complete Sections A – C
TIER 2 facilities complete Sections A – H
TIER 3 facilities complete Sections A – I

A. TYPE OF OPERATION (check all appropriate boxes)

- ☐ Winery
- ☐ Brewery
- ☐ Olive Oil Processing
- ☐ Seed Oil Processing
- ☐ Cannery
- ☐ Nut Huller
- ☐ Seed Washing
- ☐ Meat processing
- ☐ OTHER – describe: _____

B. VERIFY COMPLIANCE WITH THE CONDITIONS OF DISCHARGE

1.a _____ **For TIER 1 facilities** – Was more than 10,000 gallons of wastewater or associated residual solids applied to land?

1.b _____ **For TIER 2 facilities** – Was more than 100,000 gallons of wastewater or associated residual solids applied to land?

1.c _____ **For TIER 3 facilities** – Was more than 1,000,000 gallons of wastewater or associated residual solids applied to land or applied at a rate greater than 100,000 gallons per acre?

2. _____ Was wastewater or residual solids associated with slaughterhouses (or other meat processing) discharged to land?

3. _____ Was stillage, water softener regeneration brine, reverse osmosis brine, boiler blowdown, or other high salinity wastes discharged to land?

4. _____ Was wastewater discharged to a septic system?

5. _____ Was a pond used for treatment, storage, or disposal of wastewater (other than a pond used for nut hulling wash water)?

6. _____ Was process waste applied to land not owned by the Discharger?

7. _____ Did temporarily stored process waste contact the ground prior to land application (other than nut hulling wash water in a pond)?

8. _____ Was process waste applied to land during rainfall or when the land application area was saturated?

9. _____ Did process waste application occur such that it was not evenly distributed over the land application area?

10. _____ Was process waste applied in such a way that the water or nutrient needs of the crop or vegetation in the land application area were exceeded?

11. _____ Was process waste applied less than 25 feet from surface water or a surface water drainage course without a berm or an uphill grade in place?

Were residual solids stored on-site prior to land application or off-site disposal?

If YES, answer questions 12 and 13.

12. Did residual solids or the run-off from residual solids contact the ground during storage?

13. _____ Were residual solids stored in an area that may experience washout or inundation due to floods with a 100-year return frequency?

Were residual solids applied to land?

If YES, answer questions 14 through 22.

14. Did land application methods, rates, or management practices differ than what was described in the Report of Waste Discharge?

15. _____ Did residual solid application occur such that it was not evenly distributed over the land application area?

16. _____ Did the residual solids contain free liquid that took more than 12 hours to absorb into the soil after application?

17. _____ Did free liquid from the residual solids run-off the application area?

18. _____ Were residual solids, process wastewater, and fertilizers applied at agronomic rates greater than the nutrient needs of the crop or vegetation on the land application area?

19. _____ Did segregated dry, nonputrescible matter (e.g., grape stems or dry nut hulls) used for erosion or dust control enter surface waters during storm events?

20. _____ Were putrescible solids applied less than 25 feet from a surface water drainage course without a berm or an uphill grade in-place?

21. _____ Were putrescible solids applied to land during rainfall or when the land application area is saturated?

22. _____ Did the total annual loading rate for putrescible solids exceed the nitrogen agronomic rate for crops or vegetation on the land application area, or a total thickness of two inches, whichever was more restrictive?

For Nut Hullers Using Ponds

23. Did ponds contain process waste between 1st January and 31st July?

24. _____ Was the pond water depth greater than five feet deep at any time?

25. _____ Was the freeboard measured from the water surface in any pond to the surrounding grade less than one foot at any time?

C. VIOLATION REPORTING

For any numbered questions in section B (i.e., questions 1 through 25) that were answered "YES," explain the reason(s) for the potential violation and steps that will be taken to prevent recurrence. Insert additional pages as needed.

TIER 2 AND TIER 3 – ADDITIONAL INFORMATION

D. COMMODITY PROCESSING

	Amount of Processed Commodities		
Month	Commodity 1 name:_____ (units:)	Commodity 2 name:_____ (units:)	Commodity 3 name:_____ (units:)
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			
Total			

E. WASTEWATER DISPOSAL

1. Volume of produced wastewater.

Month	Wastewater Production (gallons)
January	
February	
March	
April	
May	
June	
July	
August	
September	
October	
November	
December	
Total	

2. Describe how the above wastewater volumes were measured.

3. Describe how wastewater was contained such that waste did not contact the ground (except for nut huller wash water ponds) during periods of storage and so that application to land did not occur during periods of precipitation or when the ground was saturated.

4. Describe actions taken to reduce the salinity of the wastewater applied to land.

F. RESIDUAL SOLIDS DISPOSAL

1. Estimated amount of generated residual solids.

Month	Residual Solids Generation (□ pounds or □ tons)
January	
February	
March	
April	
May	
June	
July	
August	
September	
October	
November	
December	
Total	

2. Describe how and where residual solids were stored prior to land application or off-site disposal.

3. Provide the amount of residual solids that were land applied on-site and the amount of residual solids removed for disposal off-site.

   On-site land application: _____ □ pounds or □ tons

   Off-site disposal: _____ □ pounds or □ tons

4. Describe how residual solids were contained such that waste did not contact the ground during periods of storage and so that application to land did not occur during periods of precipitation or when the ground was saturated.

G. LAND APPLICATION AREA

1. Provide the total area that wastewater and residual solids were applied.

   Wastewater land application area: _____ □ square feet or □ acres

   Residual solids land application area: _____ □ square feet or □ acres

   Were wastewater and residual solids applied to the same land application area? _____

2. Provide the date or date range that wastewater or residual solids were land applied.

Date or Date Range	Type of Application
	□ Wastewater or □ Residual Solids
	□ Wastewater or □ Residual Solids
	□ Wastewater or □ Residual Solids
	□ Wastewater or □ Residual Solids
	□ Wastewater or □ Residual Solids
	□ Wastewater or □ Residual Solids
	□ Wastewater or □ Residual Solids
	□ Wastewater or □ Residual Solids
	□ Wastewater or □ Residual Solids
	□ Wastewater or □ Residual Solids
	□ Wastewater or □ Residual Solids
	□ Wastewater or □ Residual Solids

3. Describe crop(s) or vegetation grown on the land application area (distinguish between crops irrigated with wastewater and crops grown in soil amended with residual solids).

4. Describe how wastewater and residual solids were applied evenly over the entire acreage of the land application area and how runoff was kept out of surface waters.

H. WASTEWATER PONDS (NUT HULLERS ONLY)

1. Provide the date that the ponds were backfilled or describe the controls installed to prevent storm water runoff into the ponds.

_____

_____

TIER 3 - ADDITIONAL INFORMATION

I. LAND APPLICATION AREA

1. Provide a satellite or scaled map showing the showing the boundaries of wastewater and residual solids application.

2. Provide the volume of wastewater and amount of residual solids land applied per acre during the calendar year.

Month	Wastewater Applied to Land		Residual Solids Applied to Land	
	(acres)	(gallons)	(acres)	(□ pounds or □ tons)
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				
	Total		**Total**	

3. Describe how the above measurements of wastewater volume and amount of residual solids were made.